ABSTRACT

A packet routing apparatus that simultaneously implements prompt route recovery and continuation of communication by an optimal route. A radio reception section (103) receives a radio signal including packet data received in a transmission/reception antenna (101) via a circulator (102). Further, the radio reception section (103) detects disconnection of an adhoc network by a decrease in electric filed strength of a signal from a communicating party. A radio reception section (104) transmits a radio signal including a route search packet, route response packet or the like from the transmission/reception antenna (101) via the circulator (102). When the adhoc network is disconnected, a control section (105) performs processing of route recovery for transmitting a route search packet to a destination wireless adhoc terminal, while performing route reconstruction processing for reporting route disconnection to a transmission source wireless adhoc terminal.